

File No.: 16318-1US RC/DStM/ab

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicants : Xiao LU et al.
Title : "PROCESS FOR RECOVERING VALUE-ADDED
PRODUCTS FROM PULPING SOAP
Filed : herewith
Serial N° : not yet known
Group Art Unit : unknown

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**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.56**

Assistant Commissioner of Patents
Washington, D.C. 20231, USA

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR § 1.56.

The submission of the listing of documents herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie prior art reference against the claims of the present application.

**CONCISE EXPLANATION OF
RELEVANCE OF EACH DOCUMENT**

Documents A1, A2, A3 and A4 are discussed on page 2 of the specification.

Document A5 describes a process for the recovery of β -sitosterol.

Document A6 describes a process for the isolation of β -sitosterol containing a low percentage of α -sitosterol.

Document A7 describes a process for the preparation of a β -sitosterol concentrate containing less than 5% per weight of α -sitosterol.

Document A8 describes the process for the isolation of β -sitosterol.

Document A9 describes a process for the separation of sterols and mixtures of sterols.

Document A10 describes a process for the purification of β -sitosterol isolated from the unsaponifiables in crude soap from the sulphate cellulose process.

Document A11 is discussed on page 2 of the specification.

Document A12 describes a method for separating sterols from tall oil.

Document A13 describes a method for separating sterols from tall oil.

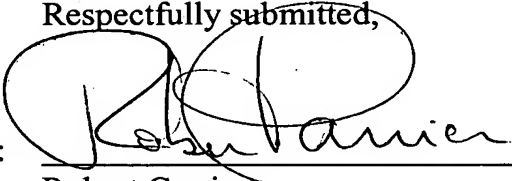
No fee is required since this Information Disclosure Statement is being submitted concurrently with the filing of the present application.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP § 609.

Respectfully submitted,

November 20, 2003
Date

By:


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| Substitute for form 1449PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | |
| | | Filing Date | |
| | | First Named Inventor | Xiao LU et al. |
| | | Art Unit | |
| | | Examiner Name | |
| Sheet 1 of 1 | Attorney Docket Number | 16318-1US RC/DSIM/ab | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| | A1 | US-2,573,891 | 11-06-1951 | Christenson, R. M. | |
| | A2 | US-2,715,638 | 08-16-1955 | Albrecht et al. | |
| | A3 | US-2,835,682 | 05-20-1958 | Steiner et al. | |
| | A4 | US-3,840,570 | 10-08-1974 | Julian, D. V. | |
| | A5 | US-4,153,622 | 05-08-1979 | Lamminkari et al. | |
| | A6 | US-4,265,824 | 05-05-1981 | Koskenniska et al. | |
| | A7 | US-4,279,827 | 07-21-1981 | Ukkonen et al. | |
| | A8 | US-4,298,539 | 11-03-1981 | Koskenniska, Lasse A. | |
| | A9 | US-4,420,427 | 12-13-1983 | Hamunen, A. | |
| | A10 | US-4,422,974 | 12-27-1983 | Hamunen, A. | |
| | A11 | US-5,770,749 | 06-23-1998 | Kutney et al. | |
| | A12 | US-6,107,456 | 08-22-2000 | Huibers et al. | |
| | A13 | US-6,414,111 | 07-02-2002 | Huibers et al. | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | † |
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